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1 1 1	MNFETSRCATLQYCPDPYIQRFIETPAHFSWKESYYRSAU	Hu p53 Hu p73β Hu p63γ
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3 5 3 1 4 0 7 9	OSSRGNNEVVGGTDSS-MDVFH AFG-MTTSVMAQFNL-EPSEDGATNKIEISMDCIRWODSD DPMWP YT NLGESENGATNKIEISMDCIRWODSD DPMWP YT NLG	Hυ p53 Hυ p73β Hυ p63γ Mυ p63γ
6 1 6 8 7 7 1 1 6	LSSTNDQMSSRANSASPY-TEHAN-SVET-HSBYA LLNSMDQQIQNGSSSTSPYNT-DHQNSV-TARSBYA LLNSMDQQIQNGSSSTSPYNT-DHQNSV-TARSBYA	Hu p53 Hu p73β Hu p63γ Mu p63γ
9 0 1 0 1 1 1 2 1 5 1	Q	Hu p53 Hu p73β Hu p63γ Mu p63γ
121 139 150 189	SAME PARTIES OF A STREET OF A	Hu p53 Hu p73β Hu p63γ Mu p63γ
161 179 190 229	PV/SKAESVSD/MKBGPNSELGIDFNEGOS/MSSIGNSFV PV/SKAESVSD/MKBGPNSELGIDFNEGOS/MSSIGNSFV PV/SKAESVSZ/MKBGNSELSREFNEGOS/MSSIGNS PV/SKAESVSZ/MKBGNSELSREFNEGOS/MSSIGNS	Ηυ p53 Ηυ p73β Ηυ p63γ Μυ p63γ
199 219 230 269	CNDLSQ V D PV GROS V V V D D D V C SO C T MAN V C C N N L S Q V D D PV GROS V V V D V D P D Q V C T E F D V L T N F V C C N S H A Q V P D P I F G R Q S V I V D V D P D Q V C T E F D V L V N F V C C N S H A Q V P D P I F G R Q S V I V D V D P D Q V C T E F D V L V N F V C C N S H A Q V P D P I F G R Q S V I V D V D P D Q V C T E F D V L V N F V C C C C C C C C C C C C C C C C C C	Hu p53 Hu p73β Hu p63γ Mu p63γ
239 259 270 309	NSSIGNER GEWING REPORT OF THE POSSIGN FOR THE POSSION FOR THE	Hu p53 Hu p73β Hu p63γ Mu p63γ
279 299 310 349	GROW KAD DHYREQOALN - E SSA - KNGAAS MFKO GROW KAD DSI MGQ VS - D KNGDE TIM PFRO GROW KAD DSI MGQ VS - D SA - KNGDA FRO	Hu p53 Hu p73β Hu p63γ Mu p63γ
311 333 342 377	N	Hu p53 Hu p73β Hu p63γ Mu p63γ
345 372 379 414	Kesiemoylpohtiety oogogodhohllok Lisac	Hu p53 Hu p73β Hu p63γ Mu p63γ
372 407 417 452	YGPVLSPMNKVHGGMNK&PSVNOLVGOPPPHSSAATPN FRNELVEPRRETPKOSDVFFRHSKPPNRSVYP FRNELVEPRGEAPTOSDVFFRHSNPPNHSVYPZ	Hu p53 Hu p73β Hu p63γ Mu p63γ
3 9 3 4 4 5 4 4 8 4 8 4	LGPVGPGMLNNHGHAVPANGEMSSSHSAQSMVSGSHCTPP	Hu p53 Hu p73β Hu p63γ Mu p63γ
3 9 3 4 8 5 4 4 8 4 8 4	PPYHADPSLVRTWGP	Hu p53 Hu p73β Hu p63γ Mu p63γ
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120 52

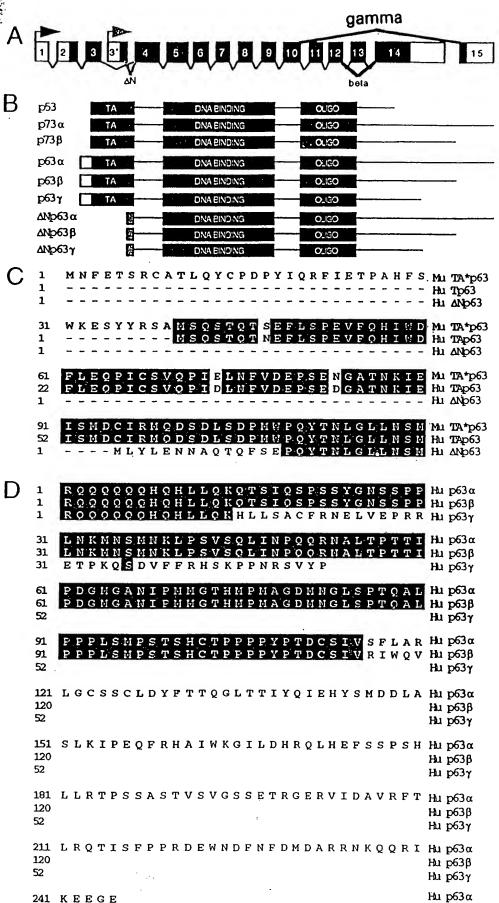


Figure 2

ни р63в

Hu p63y



Figure 3

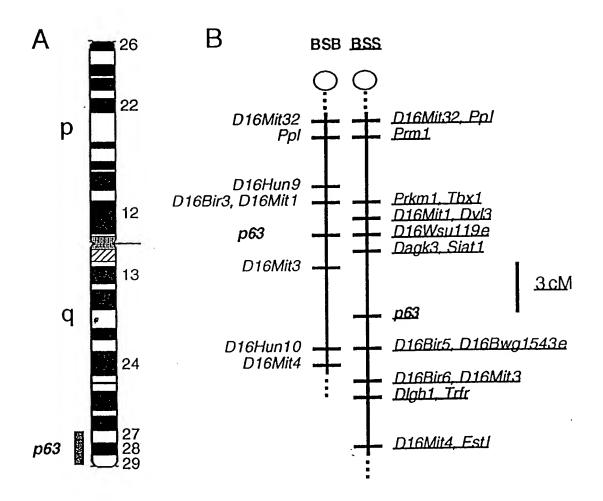




Figure 4

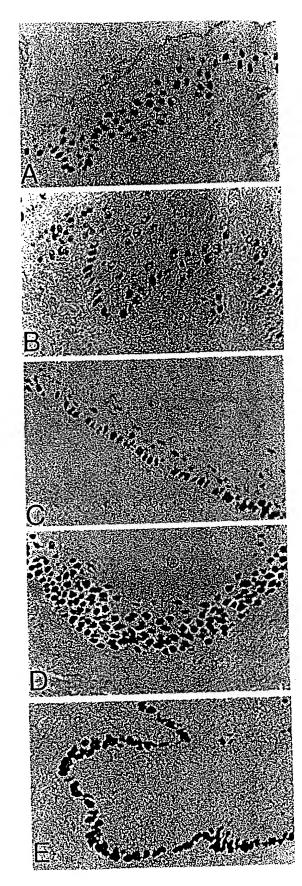
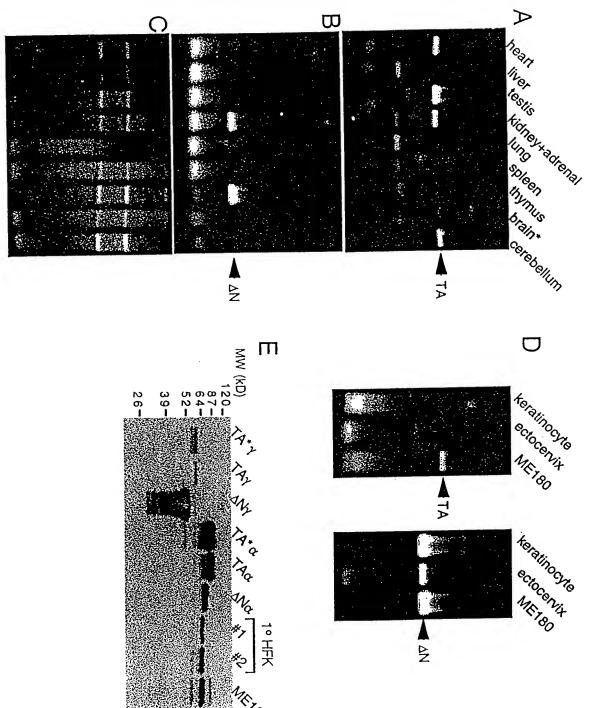




Figure 5





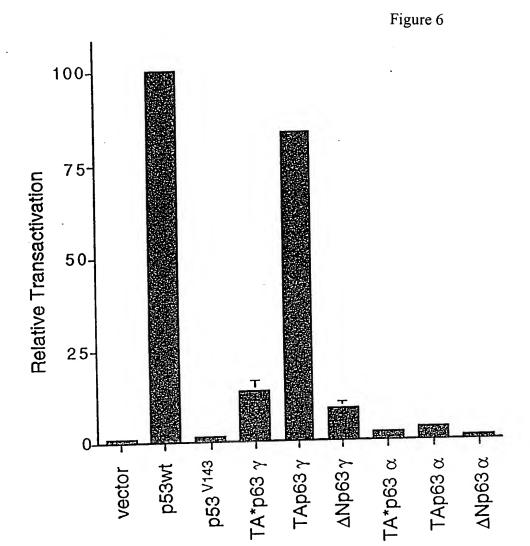




Figure 7

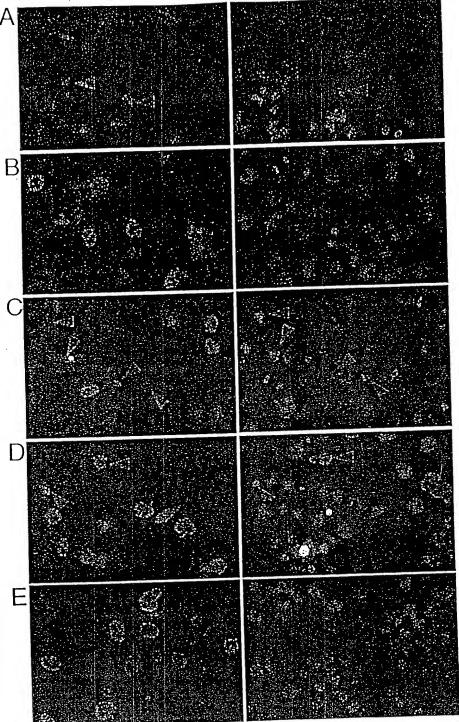
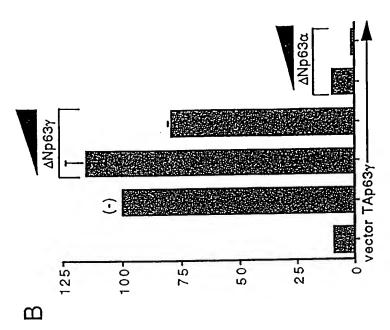
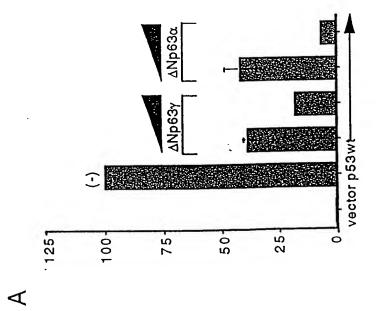




Figure 8







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		TCC	CAC	AGC	: ACA	CAG	ACA	. AAT	GAA	TTC			CCY	GAG	GTI	TTC	CAG	CAT	ATC	TGG
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Figure 9 Cont.

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1231/411
CAG CAG CAG CAG CAC TTA CTT CAG AAA CAG ACC TCA ATA CAG TCT CCA TCT TCA TAT
Q Q Q H Q H L L Q K Q T S I Q S P S S Y
                               1291/431
1261/421
GGT AAC AGC TCC CCA CCT CTG AAC AAA ATG AAC AGG ATG AAC AAG CTG CCT TCT GTG AGC
G N S S P P L N K M N S M N K L P S V S
                               1351/451
CAG CTT ATC AAC CCT CAG CAG CGC AAC GCC CTC ACT CCT ACA ACC ATT CCT GAT GGC ATG
Q L I N P Q Q R N A L T P T T I P D G M
                               1411/471
1381/461
CGA GCC AAC ATT CCC ATG ATG GGC ACC CAC ATG CCA ATG GCT GGA GAC ATG AAT GGA CTC
                                           G D M N G L
G A N I P M M G T H M P M A
                                1471/491
1441/481
AGO COO ACO CAG GOA CTO COT COO COA CTO TOO ATG COA TOO ACO TOO CAO TGO ACA COO
S P T Q A L P P P L S M P S
                                1531/511
CCA CCT CCG TAT CCC ACA GAT TGC AGC ATT GTC AGT TTC TTA GCG AGG TTG GGC TGT TCA
PPPYPTDCSIVSFLARLGCS
1561/521
                               1591/531
TCA TGT CTG GAC TAT TTC ACG ACC CAG GGG CTG ACC ACC ATC TAT CAG ATT GAG CAT TAC
 \begin{smallmatrix} S & C & L & D & Y & F & T & T & Q & G & L & T & T & I & Y & Q & I & E & H & Y \\ \end{smallmatrix} 
                               1651/551
TCC ATG GAT GAT CTG GCA AGT CTG AAA ATC CCT GAG CAA TTT CGA CAT GCG ATC TGG AAG
S M D D L A S L K I P E Q F R H A I W K
1681/561
                               1711/571
GGC ATC CTG GAC CAC CGG CAG CTC CAC GAA TTC TCC TCC CCT TCT CAT CTC CTG CGG ACC
G I L D H R Q L H E F S S P S H L L R T
                               1771/591
CCA AGC AGT GCC TCT ACA GTC AGT GTG GGC TCC AGT GAG ACC CGG GGT GAG CGT GTT ATT
P S S A S T V S V G S S E T R G E R V
1801/601
                               1831/611
GAT GCT GTG CGA TTC ACC CTC CGC CAG ACC ATC TCT TTC CCA CCC CGA GAT GAG TGG AAT
DAVRFTLRQTISFP
                                           PRDEWN
1861/621
                               1891/631
GAC TTC AAC TTT GAC ATG GAT GCT CGC CGC AAT AAG CAA CAG CGC ATC AAA GAG GAG GGG
D F N F D M D A R R N K Q Q R I K E E G
1921/641
GAG TGA
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1/1 31/11 ATG TCC CAG AGC ACA CAG ACA AAT GAA TTC CTC AGT CCA GAG GTT TTC CAG CAT ATC TGG M S Q S T Q T N E F L S P E V F Q H I W 91/31 GAT TIT CTG GAA CAG CCT ATA TGT TCA GTT CAG CCC ATT GAC TIG AAC TIT GTG GAT GAA D F L E Q P I C S V Q P I D L N F V D E 121/41 CCA TCA GAA GAT GGT GGG ACA AAC AAG ATT GAG ATT AGC ATG GAC TGT ATC CGC ATG CAG P S E D G A T N K I E I S M D C I R M Q 181/61 211/71 GAC TCG GAC CTG AGT GAC CCC ATG TGG CCA CAG TAC ACG AAC CTG GGG CTC CTG AAC AGC D S D L S D P M W P Q Y T N L G L L N S 271/91 ATG GAC CAG CAG ATT CAG AAC GGC TCC TCG TCC ACC AGT CCC TAT AAC ACA GAC CAC GCG M D Q Q I Q N G S S S T S P Y N T D H A 301/101 331/111 CAG AAC AGC GTC ACG GCG CCC TCG CCC TAC GCA CAG CCC AGC TCC ACC TTC GAT GCT CTC $\begin{smallmatrix} Q & N & S & V & T & A & P & S & P & Y & A & Q & P & S & S & T & F & D & A & L \\ \end{smallmatrix}$ 361/121 391/131 TCT CCA TCA CCC GCC ATC CCC TCC AAC ACC GAC TAC CCA GGC CCG CAC AGT TTC GAC GTG S P S P A I P S N T D Y P G P H S F 421/141 451/151 TCC TTC CAG CAG TCG AGC ACC GCC AAG TCG GCC ACC TGG ACG TAT TCC ACT GAA CTG AAG S F Q Q S S T A K S A T W T Y S T E L K 481/161 511/171 AAA CTC TAC TGC CAA ATT GCA AAG ACA TGC CCC ATC CAG ATC AAG GTG ATG ACC CCA CCT K L Y C Q I A K T C P I Q I K V M T P P 571/191 CCT CAG GGA GCT GTT ATC CGC GCC ATG CCT GTC TAC AAA AAA GCT GAG CAC GTC ACG GAG PQGAVIRAMPVYKKAEHVT 601/201 631/211 GTG GTG AAG CGG TGC CCC AAC CAT GAG CTG AGC CGT GAA TTC AAC GAG GGA CAG ATT GCC V V K R C P N H E L S R E F N E G Q I A 661/221 691/231 CCT CCT AGT CAT TTG ATT CGA GTA GAG GGG AAC AGC CAT GCC CAG TAT GTA GAA GAT CCC PPSHLIRVEGNSHAQYVEDP 751/251 ATC ACA GGA AGA CAG AGT GTG CTG GTA CCT TAT GAG CCA CCC CAG GTT GGC ACT GAA TTC I T G R Q S V L V P Y E P P Q V G T E F 781/261 811/271 ACG ACA GTC TTG TAC AAT TTC ATG TGT AAC AGC AGT TGT GTT GGA GGG ATG AAC CGC CGt T T V L Y N F M C N S S C V G G M N R R 871/291 CCa att ith atc att git act cig gaa acc aga gat ggg caa gic cig ggc cga cgc tgc PILIIVTLETRDGQVLGRR 901/301 931/311 TTT GAG GCC CGG ATC TGT GCT TGC CCA GGA AGA GAC AGG AAG GCG GAT GAA GAT AGC ATC F E A R I C A C P G R D R K A D E D S 991/331 AGA AAG CAG CAA GTT TCG GAC AGT ACA AAG AAC GGT GAT GGT ACG AAG CGC CCG TTT CGT RKQQVSDSTKNGDGTKRPF 1021/341 1051/351 CAG AAC ACA CAT GGT ATC CAG ATG ACA TCC ATC AAG AAA CGA AGA TCC CCA GAT GAT QNTHGIQMTSIKKRSPDDE 1111/371 CTG TTA TAC TTA CCA GTG AGG GGC CGT GAG ACT TAT GAA ATG CTG TTG AAG ATC AAA GAG LLYLPVRGRETYEMLLKIK 1141/381 1171/391 TCC CTG GAA CTC ATG CAG TAC CTT CCT CAG CAC ACA ATT GAA ACG TAC AGG CAA CAG CAA S L E L M Q Y L P Q H T I E T Y R Q Q Q



Figure 10 Cont.

1201	1/401	L								123	1/411	L							
CAG	CAG	CAG	CAC	CAG	CAC	$TT\lambda$	CTT	CAG	AAA	CAG	ACC	TCA	ATA	CAG	TCT	CCA	TCT	TCA	TAT
Q	Q	Q	Н	Q	H	L	L	Q	K	Q	T	S	I	Q	S	P	S	S	Y
126:	1/42	L								129	1/43	l							
CGT	AAC	AGC	TCC	CCA	CCT	CTG	AAC	AAA	ATG	AAC	AGC	ATG	AAC	AAG			TCT	CLC	AGC
G	N	S	S	P	P	L	N	K	M	N	S	M	N	К	L	P	S	ν	S
132	1/44	l								135	1/45	l							
CAG	CTT	ATC	AAC	CCT	CAG	CAG	CGC	AAC	GCC	CTC	ACT	CCT	ACA	ACC	ATT	CCT	GAT	GGC	λTG
Q	L	I	N	P	Q	Q	R	N	A.	L	T	P	T	T	I	P	D	G	M
138	1/46	L								141	1/47	1							
GGA	GCC	AAC	ATT	CCC	ATG	ATG	GGC	ACC	CAC	ATG	CCA	ATG	GCT	GGA	GAC	ATG	TAA	GGA	CTC
G	Α	N	I	P	M	M	G	T	H	M	p	М	A	G	D	M	N	G	L
144	1/46	i								147	1/49:	1							
AGC	CCC	ACC	CAG	GCA	CIC	CCT	CCC	CCA	CTC	TCC	ATG	CCA	TCC	ACC	TCC	CAC	TGC	ACA	CCC
S	P	T	Q	A	L	P	P	P	L	5	М	P	S	T	S	H	С	T	P
150	1/50	1								153	1/51	1							
CCA	CCT	CCG	TAT	CCC	ACA	GAT	TGC	AGC	ATT	GTC	AGG	ATC	TGG	CAA	GTC	TGA			
P	P	P	Y	P	T	D	С	S	I	v	R	I	W	Q	V	*			



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1/1 ATG TCC	CAG	ACC	ACA	CAG	ACA	ААТ	GAA	TTC	CTC	AGT	CCA	GAG	GTT	TTC	CAG	CAT	ATC	TGG
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61/21	_			_					91/3	31								
GAT TTT	CTG	GAA	CAG	CcT	ATA	TGT	TCA	G/TT	CAG	CCC	ATT	GAC	TTG	AAC	TIT	GTG	GAT	GAA
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121/41									151/									010
CCA TCA	gaa	GAT						TTA	GAG	TTA	AGC	ATG	GAC	TGT	ATC	CGC	M	CAG
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CAG AAC	AGC	GIC	ACG											ACC	TTC	GAT	GCT	CIC
QN	S	V	T	A	P	S	Ъ	Y	A	-	P	s	S	т	F	D	A	L
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TCC TTC		CAG	TCG	AGC	ACC	GCC	AAG	TCG			TGG	ACG	TAT	TCC	ACT	GAλ	CTG	AAG
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481/161										/171								
AAA CTC	TAC	TGC	CAA	TTA	GCA	AAG	ACA											CCT
K L	Y	С	Q	I	Α	X	T	С	P			I	K	V	М	T	P	Þ
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CCT CAG									V GIC					E	H	V	T	E
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v v			C		N	н		L	S				N	E	G	Q	I	A
661/221										/231								
CCT CCT																		
P P	S	H	L	I	P.	V	E	G	N			A	Q	Y	v	E	D	₽
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CCa aTT																		
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TTT GAG	GCC	CCC.	NTC.	m~m	C C III	m~~	CC3	CC.		/311	NCC.	a nc	ccc	CM	Cyy	ChT	ACC	יאדה
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1021/34										1/35								
CAG AAC																		
Q N		н	G	I	Q	M	T	S				R	R	S	P	D	D	E
1081/36 CTG TTA		ጥጥል	CCN	CALC	200	GCC	CCM	CAC		1/37 יימיי		እ ጠላግ	رمي <i>ر</i>	ጥጥ	744	ልጥር	444	GPC.
L L			P												K	I	K	E
1141/38		~	•	•	**	G	K	ב	117	1/39	1 ·	. **	L	~	•	-	•	~
TCC CTC		CTC	ATG	CAG	TAC	CTT	CCT	CAG				GAA	ACG	TAC	AGG	CAA	CAG	САА
S L	E	L	M	Ω		L					I			Y	ħR	Q	Q	Q
				-				7-				•						



Figure 11 Cont.

1201/401

CAG CAG CAG CAG CAC CAG CAC TTA CTT CAG AAA CAT CTC CTT TCA GCC TGC TTC AGG AAT GAG
Q Q Q H Q H L L Q K H L L S A C F R N E
1261/421

CTT GTG GAG CCC CGG AGA GAA ACT CCA AAA CAA TCT GAC GTC TTC TTT AGA CAT TCC AAG
L V E P R R E T P K Q S D V F F R H S K
1321/441

CCC CCA AAC CGA TCA GTG TAC CCA TAG
P P N P S V Y P *



31/11 ATG TTG TAC CTG GAA AAC AAT GCC CAG ACT CAA TTT AGT GAG CCA CAG TAC ACG AAC CTG M L Y L E N N A Q T Q F S E P Q Y T N L 91/31 GGG CTC CTG AAC AGC ATG GAC CAG CAG ATT CAG AAC GGC TCC TCG TCC ACC AGT CCC TAT G L L N S M D Q Q I Q N G S S S T S P 151/51 AAC ACA GAC CAC GCG CAG AAC AGC GTC ACG GCG CCC TCG CCC TAC GCA CAG CCC AGC TCC N T D H A Q N S V T A P S P Y A Q P 211/71 ACC TTC GAT GCT CTC TCT CCA TCA CCC GCC ATC CCC TCC AAC ACC GAC TAC CCA GGC CCG T F D A L S P S P A I P S N T D Y P G 271/91 CAC AGT TTC GAC GTG TCC TTC CAG CAG TCG AGC ACC GCC AAG TCG GCC ACC TGG ACG TAT 241/81 S T A K S A T W T Y H S F D V S F Q Q S 331/111 TCC ACT GAA CTG AAG AAA CTC TAC TGC CAA ATT GCA AAG ACA TGC CCC ATC CAG ATC AAG 301/101 S T E L K K L Y C Q I A K T C P I Q I K 391/131 GTG ATG ACC CCA CCT CCT CAG GGA GCT GTT ATC CGC GCC ATG CCT GTC TAC AAA AAA GCT 361/121 V M T P P P Q G A V I R A M P V Y K K A 451/151 GAG CAC GTC ACG GAG GTG GTG AAG CGG TGC CCC AAC CAT GAG CTG AGC CGT GAA TTC AAC E H V T E V V K R C P N H E L S R E 511/171 GAG GGA CAG ATT GCC CCT CCT AGT CAT TTG ATT CGA GTA GAG GGG AAC AGC CAT GCC CAG 481/161 E G Q I A P P S H L I R V E G N S H A Q 571/191 541/191 TAT GTA GAA GAT CCC ATC ACA GGA AGA CAG AGT GTG CTG GTA CCT TAT GAG CCA CCC CAG Y V E D P I T G R Q S V L V P Y E P P Q 631/211 GTT GGC ACT GAA TTC ACG ACA GTC TTG TAC AAT TTC ATG TGT AAC AGC AGT TGT GGA V G T E F T T V L Y N F M C N S S C V G 691/231 661/221 GGG ATG AAC CGC CGE CCa aTT TTA ATC ATT GTT ACT CTG GAA ACC AGA GAT GGG CAA GTC G M N R R P I L I I V T L E T R D G Q V 751/251 721/241 CTG GGC CGA CGC TGC TTT GAG GCC CGG ATC TGT GCT TGC CCA GGA AGA GAC AGG AAG GCG L G R R C F E A R I C A C P G R D R K A 811/271 781/261 GAT GAA GAT AGC ATC AGA AAG CAG CAA GTT TCG GAC AGT ACA AAG AAC GGT GAT GGT ACG D E D S I R K Q Q V S D S T K N G D G T 871/291 841/281 AAG CGC CCG TTT CGT CAG AAC ACA CAT GGT ATC CAG ATG ACA TCC ATC AAG AAA CGA AGA K R P F R Q N T H G I Q M T S I K K R R 931/311 901/301 TCC CCA GAT GAT GAA CTG TTA TAC TTA CCA GTG AGG GGC CGT GAG ACT TAT GAA ATG CTG S P D D E L L Y L P V R G R E T Y E M L 991/331 961/321 TTG AAG ATC AAA GAG TCC CTG GAA CTC ATG CAG TAC CTT CCT CAG CAC ACA ATT GAA ACG LKIKESLELMQYLPQHTIET 1051/351 1021/341 TAC AGG CAA CAG CAA CAG CAG CAG CAC CAG CAC TTA CTT CAG AAA CAG ACC TCA ATA CAG Y R Q Q Q Q Q H Q H L L Q K Q T S I Q 1111/371 1081/361 TCT CCA TCT TCA TAT GGT AAC AGC TCC CCA CCT CTG AAC AAA ATG AAC AGC ATG AAC AAG S P S S Y G N S S P P L N K M N S M N K 1171/391 1141/381 CTG CCT TCT GTG AGC CAG CTT ATC AAC CCT CAG CAG CGC AAC OCC CTC ACT CCT ACA ACC L P S V S Q L I N P Q Q R N A L T P T T



Figure 12 Cont.

1201	/401	ŀ									/411								
ATT	CCT	GAT	GGC	ATG	GGA	GCC	AAC	ATT	CCC	ATG	ЭТA	GGC	VCC	CAC	STA	CCA	atg	GCT	GGA
		D							P	M	M	G	T	H	М	P	M	A	G
1261	./421	L									1/431								
GAC	ATG	AAT	GGA	CTC	AGC	CCC	ACC	CAG	GCA	CTC	CCT	CCC	CCA	CTC	TCC	DTA	CCY	TCC	ACC
		N		L	S	P	T	Q	Α	L		P	P	L	S	М	Þ	S	T
132	1/44	1									1/453								
TCC	CAC	TGC	ACA	CCC	CCA	CCT	ccc	TAT	CCC	ACA	GAT	TGC	AGC	ATT	GTC	AGT	TTC	TTA	GCG
S	H	С	T	P	P	P	P	Y	P	\mathbf{T}			S	1	V	S	F	L	A
1383	1/46	1									1/47:								
AGG	TTG	GGC	TGT	TCA	TCA	TGT	CLC	GAC			ACG	ACC	CAG	GGG	CTG	ACC	ACC	AIC	TAT
R	L	G	С	S	S	С	L	D	Y	F	T	T	Q	G	L	T	T	I	Y
144	1/48	1									1/49								001
CAG	ATT.	GAG	CAT	TAC	TCC	ATG	GAT			GCA	AGT	CTG	AAA	ATC	CCT	GAG	ÇAA	TTT	R R
Q	I	B	H	Y	S	M	D	D	L		S		K	I	P	E	Q	F	R
	1/50										1/51		~ . ~			m^~	maa	COM	mom.
CAT	GCG										CAG		CAC	GAA	TTC	TCC	100	CCT	5
H	Α	I	W	ĸ	G	I	L	D	H	-	Q		H	E	F	s	3	P	5
156	1/52	1									1/53:			~~~	maa	300	CNC	200	ccc
											GTC		V.	G	S	S	E	T	R
H	L	L	R	т	P	5	S	A	S	_	V	_	٧	G	5	3	E.	1	Α.
	1/54										1/55		CAC	100	ክm [*]	(IV)	mm~	CCA	ccc
_											CTC		Q	T	I	S	F	P	P
G	E	R	ν	I	D	A	V	R	F	_	L 1/57:		V	1	_	3	•	F	
	1/56				~ ~				~~~		GAT		ccc	ccc	አልጥ	אמ	C02	CAG	CCC
												A	R	R	N	K	Q Q	0	R
R	D	E	W	N	D	F	И	F	D	М	D	Α	K	Λ.	14	Α.	Y:	V	**
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м	L	Y	L	E	N	N	λ	Q	T	Q			E			Y	T	N	L
61/										91/									
CCC	CTC	CTG	AAC	AGC	ATG	GAC	CAG	CAG	ATT				TCC	TCG	TCC				TAT
G	L	L	И	s	M	D	Q	Q	I		N	G	S	S	S	T	S	Þ	Y
121										151		m 000	000	m. a	CC3	030	~~	3.00	m~~
AAC N	ACA T	GAC D	CAC H			AAC N	AGC S	V	ACG T		P		P	Y		Q	5	S	TCC S
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		GAT	GCT	CTC	TCT	CCA	TCA	ccc	GCC			TCC	AAC	ACC	GAC	TAC	CCA	GGC	CCG
T	F	D		L	S	P		P			P			T	D	Y	P	G	P
241.										271									
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	/101	CAA	CM.	y y C:	222	CTC	TAC	ጥርር	CAA		/111 GCA	AAG	DCA	ጥርሮ	ccc	ATV.	CAG	איזעי	AAG
S				K			Y		Q		A'		T				Q		K
361	/121	_		•		_	-	_	_	-	/131		_				_		٠.
CTG	ATG	ACC	CCA	CCT	CCT	CAG	GGA	GCT	GTT	ATC	CCC	GCC	ATG	CCT	CIC	TAC	AAA	AAA	CCT
V	M	T	P	P	P	Q	G	A	v		R	Α	M	P	V	¥	K	ĸ	A
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E	H		T ACG		A	V GIG	K	R	C	P	N N			L	S	R	E	F	AAC N
-	/161	•	•	4	•	•	**		C	-	/171		بد	n	-	•	_	•	••
GAG	GGA	CAG	ATT	GCC	CCT	CCT	AOT	CAT	TTG			GTA	GAG	GGG	AAC	AGC	CAT	GCC	CAG
E		Q	I	A	P	P	s	H	L	I		V	E	G	N	S	Н	Α	Q
	/181										/191								
	V GIA		GAT D	P CCC	ATC	ACA T	GGA G	AGA R	CAG Q	AGT S			GTA V	P	TAT Y	GAG E	P	P	CAG O
	/201		D	P	1	1	G	A	Q		/211	'n	٧	r	1	ь	•	E	×
		ACT	GAA	TTC	ACG	ACA	GTC	TIG	TAC			ATG	TOT	AAC	AGC	AGT	TGT	CIT	GGΑ
V	,G	T	Ε	F	T	T	v	L	Y	N	F	M	С	N	s	S	C	v	G
	/221										/231								
						аТТ													
	M /241	N	R	R	Р	I	L	I	I		T /251	L	E	T	R	D	G	Q	V
		CGA	CGC	TGC	TTT	GAG	cc	ന്ന	እጥሮ			TGC	CCA	GGA	AGA	GAC	AGG	AAG	GCG
L	G	R	R			E					A		P						A
	/261									811,									
						AAG													
D BAL	E '281	D	S	I	R	K	Ω	Q	V	S		S	T	ĸ	N	G	D	G	T
		003	יזינע	CCT	CAG	AAC	חכח	רשת	COP	871/		እጥን	מים	ጥ⁄ ሶ	አጥጥ	33G	222	CGD	N.C.n.
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	301				_					931/	311								
TCC	CCA	CAT	GAT	GAA	CTG	TTA	TAC	TTA					COT'	GAG	ACT	TAT	GλΑ	DTG	CIG
	P	D	D	E	L	L	Y	L	P		R	G	R	E	T	Y	E	M	L
	/321	N/II/C	222	C. A. C.	maa	~~~	~ .	~~~		991/									
L	K	T				CTG L							P			ACA. T	ATT I		ACG T
	1/343				3		L	n	ш		L/351		F	V	л		_	E.	ı
TAC	AGG	CAA	CAG	CAA	CAG	CAG	CAG	CAC	CAG	CAC	TΤλ	CTT	CAG	ААА	CAG	ACC	TCA	ATA	cAG
Y	R	Q	Q	Q	Q	Q							Q			T	S	I	Q
	1/361									1111	/371								
S	P CCA	TCT	TCA	TAT Y	COL	AAC													
	1/381		J	I	G	И	S	۵			ь ./391		K	W	И	S	M	И	K
			GTG	AGC	CAG	CTT	ATY	AAC	ככייי	CVG 77/1	בער ויי דבר ויי	œ	חמג	ŒΥ	CTY	ልርጥ	درت	ልሮኔ	ACC
L	P	5	v	s	Q	L	I	N	P	Q	Q	R	N	λ	L			T	T



Figure 13 Cont.

1231/411

ATT CCT GAT GCC ATG GGA GCC AAC ATT CCC ATG ATG GGC ACC CAC ATG CCA ATG GCT GGA

I P D G H C A N I P M M G T H M P M A G

1291/431

GAC ATG AAT GGA CTC AGC CCC ACC CAG GCA CTC CCC CCA CTC TCC ATG CCA TCC ACC

D M N G L S P T Q A L P P P L S M P S T

1321/441

TCC CAC TCC ACA CCC CCA CCT CCG TAT CCC ACA GAT TGC AGG ATC TGG CAA

S H C T P P P P P Y P T D C S I V R I W Q

1381/461

GTC TGA

V *



															U				
1/1										31,									
																			CTG
M 61/		Y	L	E	И	N	A	Q	т	Q 91,	31	S		P	•	¥	Т	N	L
																			TAT
G 121	L ./41	L	N	S	М	D	Q	Q	I	Q 151	N /51	G	S	S	S	T	S	P	Y
		GAC	CAC	ccc	CNG	, урс		. CALA	י ארנ			י איי		. ጥክር					TCC
N		ם. ס	H	A	Q	N	s S	V	T	A		S	P	Y	. ОС. А	Q	P	. AU S	s icc
181	/61	•	••	••	×	•	~	•	-		/71	_	•	•	-,	×	L	3	3
ACC	TTC	GAT	GCT	CTC	TCT	CCA	TCA	CCC	GCC	ATC	ccc	TC	: AAC	ACC	GAC	TAC	: cc#	GGC	. CCG
Ţ	_	D	Α	L	S	P	S	P	A		P	S	N	T	D	Y	P	G	P
	/31										/91								
H		F		V	S	F			s TCC	s ago									TAT
-	/101	-	ט	V.	S	r	Q	Q	3		/111		K	s	λ	T	W	Т	Y
			CTG	AAG	AAA	CTC	TAC	TGC	CA?				ACA	TGC	CCC	. ATC	CAG	ATC	AAG
S	T	E		K		L	Y	С			A			С		I	Q	I	ĸ
	/121										/131								
OTG V													ATG						GCT
	M /141	T	Þ	P	P	Q	G	A	V		R /121		М	P	v	Y	K	К	A
			ACG	GAG	CTG	ĠŦG	ממ	ന്ദര	י ייכר		/151 مدد		GAG	CIV:	NCC	· ((**)	CAA	mac	330
E	Н	v	T	E	v	V	K	R	C	P			E	L	S	R	E	F	N
	/161								-	511	/171								
GAG	GGA						AGT	CAT	TTG	ATT	CGA	GTA	GAG	GGG	AAC	AGC	CAT	GCC	·CAG
E	G /191	Q	I	A	P	Ď	S	H	L	I		V	E	G	И	S	H	A	Q
		GAA	CM	ccc	איזער	חרת	CCN	NC N	CNO	571	/191	~	GTA	ccm	m) m				
Y	v	E	D	P	I	T	G	R	Q		A		V	P	Y	E	P CCA	P	
	/201			_					•	631	/211						•		Q
GTT	eec	ACT	Gaa	TTC					TAC	AAT	TTC	ATG	TGT	AAC	λGC	AGT	TGT	GTT	GGA
V 661	G /221	T	E	F	T	T	V	L	Y	N	_	M	С	И	s	S	С	V	G
		AAc	CaC	Car	CCB	ست	מתידי	איניי	מעם ע	691	/231	CTC	GAA	200	202	C > T	^~~		
G	M	N	R	R	P	I	L	I	I	v		L L			R	D	G	CAA.	A CLC
	/241									751	/251							-	
CTG	GGC	CGA	CCC	TGC	TTT	GAG	GCC	CGG	ATC	Tor	GCT	TGC	CCA	GGA	AGA	GAC	AGG	AAG	GCG
L 781.	G /261	R	R	С	F	E	A	R	I	С	A	С	P	G	R	D	R	K	A
		GAT	אככ	እ ጥሮ	ACN	716	CAC	CAA	C TIM	811/	271	300	ACA						
D .	E	D	S	I	R	K	Q	Q	V	S	D	S YOT	ACA T	AAG K	AAC N	CGI	GAT D	GGT	ACG T
841/							-			871	291							_	-
AAG	ССС	CCG	TTT	CGT	CAG	AAC	ACA	CAT	GGT	ATC	CAG	ATG	ACA	TCC	ATC	AAG	AAA	CGA	AGA
K 901/	K	P	F	R	Q	И	T	H	G	I	Q	M			I	K	K		R
		Cym	ሮእጣ	CNA	CTCC	CTC: 3		~		931/	311								
s	P P	D	D	E	L	TIA.	TAC	TTA.	D	GIG	AGG	GGC	CGT R						
961/	321									991/	331								L
TTG	ÀЯG	ATC	AAA	GAG	TCC	CTG	GAA	CTC	ATG	CAG	TAC	CTT	CCT	CAG	CAC	ACA	TTA	GAA	ACG
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Y	.~∪ R	0	CAUG O	CAA.	CARS	CAG	CAG	CAC	CAG	CAC	TTA	CTT	CAG	AAA	CAT	CIC	CTT		
1081	./361									1111	1771		Q					S	-
TGC	TTC	AGG	TAA	GAG	CTT	GTG	GAG	ccc	ÇGG	AGA	GAA	ACጥ	CCA	AAA	CAA	ፐርጥ	Gac	CTC	ייאייי
-	-	*,	N	E	L	V	E	P	R	R	E	T	P	K	Q	s	D		TIC P
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1/1 ATG AAT	more	CNN	N C (D	max.	ccc	ጥረም	ccc	ACC.	CLY 21/1	CAG	TAC	TGC	ccc	GAC	CCT	TAC	ATC	CAG
M N	F	E	T		R			T	L	0	Y	C	P	D	P	Y	r	Q
61/21	_							_	91/3	ī								
CGT TTC	ATA	GAA	ACC	CCA	GCT	CAT	TTC	TCG	TGG	AAA	GAA	AGT	TAT	TAC	AGA	TCT	GCC	DTK
R F	I	E		P	A	Н	F	S	W	ĸ	Ε	S	Y	Y	R	S	A	M
121/41		•							151/	51								
TCG CAG	AGC	ACC	CAG	ACA	AGC	GAG	TTC	CTC	AGC	CCA	gag	CIC	TTC	CAG	CAT	УTС	TGG	GAT
S Q	S	T	Q	T	S	E	F	Ļ			E	ν	F	Q	Н	I	W	D
181/61									211/		~. ~				~~~	C N ID	C	com
TTT CTG				ATA	TGC	TCA	GTA	CAG	CCC	AIC	GAG:	TIG	AAC	F	610	GAT	E	P
F L	E	,Q	Р	I	С	S	٧	Q	271/	•	L	L	14	-	•	<i>D</i> .		•
241/81 TCC GAA	እስጥ	CCT	CC3	лCа	A a C	a A C	ልጥጥ	GAG			ATG	GAT	TGT	ATC	cGC	ATG	Caa	GAC
S E	N	G	A	T	N	K	I	E	I	S	M	D	C	I	R	M	Q	D
301/101									331/	477								
TCA GAC	CTC	AGT	GAC	CCC	ATG	Tgg	CCA	CAG	TAC	ACG	AAC	CTG	GGG	CTC	CTG	AAC	AGC	ATG
S D	L.	S	D	. P	M	W	P	Q	Y.	T	Ŋ	L	G	L	Ļ	N.	S	M
361/121									391/	131					~~~			
GAC CAG									ACC	AGC	CCC	Y	Aac	ACA T	D	H	A	Q
D Q		I	Q	И	G	S	s	S	-	5 151	r	1	14	1	ט	п	^	V
421/141 AAT AGC	CTC	DCC.	cos	CCC	Tree:	CCC	ጥልጥ	CCA			AGC	TCC	ACC	TTT	GAT	GCC	CTC	TCT
	V			P	S S	P	Y	A	0	P	S	S	T	F	D	A	L	S
481/161									511/	171								
CCA TCC	CCT	GCC	ATT	CCC	TCC	AAC	ACA	GAT	TAC	CCG	GCC	ÇCA	CAC	AGC	TTC	CAT	GTG	TCC
P S						N			Y	P	G	P	H	S	F	D	V	s
541/191										191					~			
TTC CAG															GAA E	L		AAG K
F Q		S	5	T	A	К	S	Α		พ /211	т	Y	s	T.	£	ы	ν.	
601/201 CTG TAC	TICC	CAG	א מעעוו	ccc	አልሮ	חכם	TCC	ccc			ATC	AAG	GTG	ATG	ACC	CCA	ccc	CCA
L Y					K	T	C	P		Q~		K	v	M	T	P	P	P
661/221		4	•	••	• `	-	_	-		/231								
CAG GGC	GCT	GTL	ATC	CGT	GCC	ATG	CCT	GTC	TAC	AAG	AAA	GCT	GAG	CAT	GTC	ACC	GAG	GTT
Q G		V		R	Α	M		V	Y	K		A		H	V	T	E	V
721/241										/251								
OTG AAA								AGC	COT	GYC	TTC	AAT	GAG					
V K		С	P	N	H	E	L	S		E /271	F	И	E	G	Q	I	A	P
781/261 CCC AG/I		cmc	> mm	CC.	CON	-33	icco	330	PULL	C N TI	ccc	CNG	ጥአጥ	ATO.	CAA	GNT	CCT	OT 4
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ACG GGA		CAG	AGC	GTG	CTG	GTC	CCT	TAT			CCA	CaG	GTT	GGC	ACT	GAA	TTC	ACA
T G		Q			L			Y				Q			T	E	F	T
901/301										/311								
ACA GTO	CTG	TAC	TAS	TTC	ATG	TGT	AAC	AGC	AGC	TGC	GTC	GGA	GGA	ATG	AAC	AGA	CgT	CCV
T V		Y	N	F	M	C	N	S			V	G	G	M	И	R	R	P
961/321										/331	~~~		^	^~~	~~ .	~~~	~ ~~	enemen.
ATT TTA		ATC	OTT	ACT	CTG	GAA	ACC	AGA	GAT	CCG	CAA	A A	CIG	GCC	CGA			F
I L 1021/34		Ŧ	V	1.	L	E.	T	K		1/35		٧	ы	G			_	r
GAG GCC		ATC	יויבאוי	GC+	TCC	CCA	GGA	AGA				GCA	GAT	GAA	GAC	AGC	ATC	AGA
E A					c							Α			D	S	I	R
1081/36			Ξ,			_	_			1/37								
AAG CAG		. GTA	TCG													TTC	CGT	CAG
K Q		v	S	D	S	A	K	N				Ţ	K	R	P	F	R	Q
1141/38										1/39								
AAT ACA																		
N T	H	G	I	Q	M	${f T}$	5	I	K	K	R	R	S	P	D	D	E	L



Figure 15 Cont.

120	1/40	ı								123	1/41	3							
			CCA	CAC	AGA	CCT	CCT	GAG	ACG		GAG		TTC	CTG	AAG	ATC	AAA	GAG	TCA
T.					R		R		T		E		L			I	K	E	5
126	1/42:	-	-	•	•	J	• • • • • • • • • • • • • • • • • • • •		•		1/43			~	•	_	•	_	
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	E			0		L					I		T				0	0	0
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_		_	CNC	CNC	CWY	CUAL	CAC	222	030		TCG		CNC	ω~π	CNC	av~n	መረግ እ	መእጥ	CCC
																S	S	Y	G
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											CCC								
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	1/50			> ma		^					1/51			^> -				~~~	
											ATG								
	N		P	М	М	G	T	Н	М		M		G	D	M.	N	Ģ	L	S
	1/52				~~~						1/53:								
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P	-	_	A	T)	P	P	ν	L	s		P	-	T	S	н	C	T	P	Þ
	L/54:				^	ma-a					1/55								
P			P								TTC								
-	[/56]	-	r	T.	D	С	S	1	V	_	F	-	A	R	L	G	C	5	S
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C	L L/581	ם	Y	r	T	T	Q	G	Ţ		T		Y	Q	I	E	н	Y	S
											1/59:								
		GAT	TEG	GCA	aGT	CTG	AAG				CAG								
M	_		L	A	S	L	K	I	P		Q		R	H	A	I	W	K	G
	1/60:										1/613								
											TCA								CCA
I	L		H	R	Q	L	H	D	F	_	S	_	P	H	L	L	R	T	P
	1/62	-									1/631								
											GAG		CGT			CGT	GTG	ATC	GAT
	G		S	T	V	S	V	G	S	S	E	T	R	G	E	R	V	I	D
	1/641										1/651								
			TTT	ACC	CTC	CGC	CAG	ACC	ATC		TTT				GAC	GAG	TGG	AAT	TAD
	V		F	${f T}$	L	R	Q	T	I	S	F	P	P	R	D	E	W	N	D
	/661										[/67]								
			GAC	ATG	GAT	TCT	CGT	CGC	AAC	AAG	CAG	CAG	CGT	aTC	AAA	GAG	GAA	GGA	GAA
F	N	F	D																E
	./681																		
TGA																			
*																			



1/										31/									
λT	G AAI	TTT		ACT		CGG	TGI	, ecc								CCI	TAC	: ATC	CAG
М	N	F	E	T	S	R	С	Α	T	L	Q	Y	С	P	D	P	Y	I	Q
	/21									91/									
CG	T TIC	: ATA	GAA					TTC	TCC	TGG	AAA	CAA	AGI	TAT	TAC	: AGA	TCI	GCC	: ATG
R	_	I	E	T	P	Α	H	F	S	W	K	E	S	Y	Y	R	S	Α	M
	1/41										/51								
	G CAG														CAC	CAI	, VIC	TGG	GAT
5		S	T	Q	T	S	Ε	F	L			E	v	F	Q	H	I	W	D
	1/61										/71								
	r crg																		
F		Ε	Q	P	I	C	S	V	Q			E	L	И	F	v	D	E	P
	1/81	3.3m	~~~	- -						271						٠.			
S	GAA E																		
	1/101	N	G	Α.	7	N	K	I	E		S		D	С	I	R	M	Q	D
) CT	C > 0		3000	m				/111								
s	A GAC D	L	S	D	P			CCA	CAL	TAL									
	1/121		3	ם	F	М	W	P	Ų		Т /131	N	L	G	r	L	N	S	M
	CAG		ጥኮል	CAG	220	ccc	TCC	TCC	mc/			ccc	ma.c	120	202	C) C	010	CC>	010
D	Q	Q.	ī	Q	N	G	S	S	S		S		Y	Nac N					
	L/141	-	•	×	.,	3	2	۵	.3		ء 151/	P	I	14	т	D	Н	A	Q
	r agc		ACG	GCG	ccc	TCG	CCC	ጥለጥ	CCA) CC	TV-C	እርር	יופדעה	Cym	CCC	~~	mem
N	s	v	T	A	P	S	P	Y		Q			s	T	F	D	A	L	S
-	1/161		-	••	•	_	•	•	Λ	_	/171	3	3	1	F	ט	A	ם	3
	TCC		GCC	ATT	ccc	TCC	AAC	ACA	GAT.			acc.	CCA	CAC	200	ጥጥር	CAT	CITC	שרכ
P	S	P	A	I	P	S	N	T	D	Y		G		K.	S	F	D	V	S
54	1/181				_	_	•	-	_	-	/191		-		-	•	_	•	
TT	CAG	CAG	TCA	AGC	ACT	GCC	AAG	TCA	GCC				TAT	TCC	ACC	GAA	CTG	AAG	AAG
F	Q		S	S	T	Α	К	s	Α		W		Y	s	T	E	L	K	K
	1/201									631.	/211								
CIX	TAC	TGC	CAG	ATT	GCG	AAG	ACA	TGC	CCC	ATC	CAG	ATC	AAG	OTG	ATG	ACC	CCA	CCC	CCA
L	Y	С	Q		A	K		С		I				v	M	T	P	P	P
	/221										/231								
CAC	GGC							CCT	GIC			AAA	GCT	GAG	CAT	GTC	ACC	GAG	GTT
Q		А	v	I	R	A	M	P	ν	Y		x	A	E	H	V	T	E	V
	/241									751/	251								
GIL	AAA	CGA	TGC														ATT	CCC	CCT
V 701	K ./261	R	С	P	N	H	E	L	S	R	_	F	N	E.	G	Q	I	A	P
		Chm	o.TV	N (TVT)	~~`	~~.				811/	271			_					
P	AGT S	Н	L	I	R	GTA	gaa	GGG											
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	GGA	AGG	CAG	DCC.	CTC:	CIV	CTTC	com	m n m	871/	29I			^~~					•
T	G.	R	Q	S	V	L	GIC.	b cct	TAT	CARG	P								
901	/301		¥	•	•	u	V	P	1	931/		P	Q	V	G	T	E	F	T
	GTC		TAC	TAS	ጥጥ	λπc	ur:ur	እካሮ	NCC.	3211	DCC 211	~~~	ccn	~~	3 m~			A - m	
T	V	L	Y	N	F	M	401	N	NOC.	WO.	700	GIC	CON	COA	MIG.	N	AUA	cgr.	
	/321		_	•	•	**	_	14	3	991/		v	G	G	М	IV	K	R	P
ATI	TTA	ATC	ATC	GTT	ACT	CTG	CAA	ACC	አርኔ	22T/	23T	CA A	~~~	~~	CCC	~~ »		maa	
I	L	I	I	V	T	L	E	T	מ מ	n Gri	C	C~~	V	T.	C C	רטא	מטט	C	7.7.7.
102	1/343	L				_		-	••		/351		•	ם	G		K		E
GAG	GCC	CGG	STA	TGT	GCt	TGC	CCA	GGA	AGA	GAC	raa Caa	DAG	CCA	CATI	CAA	GAC) CC	אתכ	ארא
Ε	A	R	I	С	A	C	p	G	R	n ~	R R	r r	A						aua R
	1/361									1111	/371						_		
AAG	CAG	CAA	GTA	TCG	GAÇ	AGC	GCA	AAG	AAC	GGC	. ጋ. ኤ Gaጥ	CCT	ACG	AAG	ርርሶ	ርርጥ	ጥጥ	CCm	CAC
1	Ž.	V	V	S	۵	s	A	ĸ	N ~	G	D	G	-~∪ T	K	R	P	F	R	ᠬ
	1/381									1171	/191								
TAA	ACA T	CAC	GGA	ATÇ	CAG	ATG	ACT	TCC	ATC	AAG	AAA	CGG	AGA	TCC	CCA	таә	ር አጥ	CAC	CALC
N	T	H	G	I	Q	M	T	s	I	K	K .	R	R	s	p P	D	D	E.	T.



Figure 16 Cont.

CTG TAC CTA CCA GTG AGA GGT CGT GAG ACG TAC GAG ATG TTG CTG AAG ATC AAA GAG TCA L Y L P V R G R E T Y E M L L K I K E 5 1261/421 CTG GAG CTC ATG CAG TAC CTC CCT CAG CAC ACG ATC GAA ACG TAC AGG CAG CAG CAG CAG L E L M Q Y L P Q H T I E T Y R Q Q Q Q 1321/441 CAG CAG CAC CAG CAC CTA CTT CAG AAA CAG ACC TCG ATG CAG TCT CAG TCT TCA TAT GGC	1201/401	1231/411
L Y L P V R G R E T Y E M L L K I K E S 1261/421 CTG GAG CTC ATG CAG TAC CTC CCT CAG CAC ACG ATC GAA ACG TAC AGG CAG CAG CAG CAG L E L M Q Y L P Q H T I E T Y R Q Q Q 1321/441 1351/451	CTG TAC CTA CCA GTG AGA GGT CGT GAG ACT	TAC GAG ATG TTG CTG AAG ATC AAA GAG TCA
CTG GAG CTC ATG CAG TAC CTC CCT CAG CAC ACG ATC GAA ACG TAC AGG CAG CAG CAG CAG CAG CAG CAG CAG C		
LELMQYLPQHTIETYRQQQQ 1321/441 1351/451		
1321/441 1351/451	CTG GAG CTC ATG CAG TAC CTC CCT CAG CA	: ACG ATC GAA ACG TAC AGG CAG CAG CAG CAG
	LELMQYLPQH	TIETYRQQQQ
CAG CAG CAC CAG CAC CTA CTT CAG AAA CAG ACC TCG ATG CAG TCT CAG TCT TCA TAT GGC		
	CAG CAG CAC CAG CAC CTA CTT CAG AAA CA	ACC TCG ATG CAG TCT CAG TCT TCA TAT GGC
Q Q H Q H L L Q K Q T S M Q S Q S S Y G	QQHQHLLQKQ	TSMQSQSSYG
1381/461 1411/471	1381/461	
AAC AGT TCC CCA CCT CTG AAC AAA ATG AAC AGC ATG AAC AAG CTG CCT TCC GTG AGC CAG	AAC AGT TCC CCA CCT CTG AAC AAA ATG AA	AGC ATG AAC AAG CTG CCT TCC GTG AGC CAG
N S S P P L N K M N S M N K L P S V S Q		
1441/481 1471/491	1441/481	
CTT ATC AAC CCA CAG CAG CGC AAT GCC CTC ACT CCC ACC ACC ATG CCT GAG GGC ATG GGA	CTT ATC AAC CCA CAG CAG CGC AAT GCC CT	ACT CCC ACC ACC ATG CCT GAG GGC ATG GGA
LINPQQRNALTPTTMPEGMG		TPTTMPEGMG
1501/501 1531/511		
GCC AAC ATT CCT ATG ATG GGC ACT CAC ATG CCA ATG GCT GGA GAC ATG AAT GGA CTC AGC	GCC AAC ATT CCT ATG ATG GGC ACT CAC AT	
ANIP M M G T H M P M A G D M N G L S	ANIPMMGTHM	P M A G D M N G L S
1561/521 1591/531		
CCT ACC CAA GCT CTC CCT CCT CCA CTC TCC ATG CCC TCC ACC TCC CAC TGC ACC CCA CCA	CCT ACC CAA GCT CTC CCT CCT CCA CTC TC	
	PTQALPPPLS	MPSTSHCTPP
1621/541 1651/551		
CCG CCC TAC CCC AÇA GAC TGC AGC ATT GTC AGG ATT CGG CBA GTC TGA	CCG CCC TAC CCC AÇA GAC TGC AGC ATT GT	
PPYPTDCSIVRIWQV*	PPYPTDCSIV	RIWQV*



1/1				31/11								
ATG AAT TTT GAA AC	T TCA CGG	TGT GCC	ACC	CTA CAG	TAC	TGC	CCC	GAC	CCT	TAC	DTA	CAG
MNFET		C A		L Q		С		D	P	Y	I	Õ
61/21				91/31						mem	~~~	3.000
CGT TTC ATA GAA AC					GAA		TAT	TAC	AGA	TCT	SCC	AIG
RFIET	P A	H F	S	W K	E	S	Y	Y	R	S	A	М
121/41 TCG CAG AGC ACC CA		***	~m~	151/51	CNC	cm	ייייי	CAG	$C_{\Delta}T$	ΔΤС	TCC	СУТ
					E	AIC.	F	٥	Н	I.	W	D
S Q S T Q	T S	E F	L	211/71		•	•	×	••	•.	••	_
181/61 TTT CTG GAA CAG CO	ייבער איינא ייני	TYA GTA	CAG		GAG	TTG	AAC	TTT	GTG	GAT	GAA	CCT
F L E Q P	I C	s v	Q	P I	E	L	N	F	v	D	E	P
241/81			••	271/91								
TCC GAA AAT GGT GG	a aca aac	aaG ATT	GAG	ATT AGC	ATG	GAT	TGT	ATC	cGC	ATG	Caa	GAC
S E N G A	T N	K I	E	I S	M	D	С	I	R	M	Q	D
301/101				331/111								
TCA GAC CTC AGT GA	C CCC ATG	Tgg CCA	CAG	TAC ACG	aAC	cTg	ggg	CTC	CTG	aAC	AGC	ATg
S D L S D	P M	W P	Q		N	r	G	L	L	N	S	M
361/121			maa	391/131		m 2 -	220	n C h	CAC	CAC	CCN	CNC
GAC CAG CAG ATT C			S	T S	מטט	V	N		D	H		Q
D Q Q I Q	ИG	s s	5	451/151	P	1	14	_	ט	11	44	¥
421/141 AAT AGC GTG ACG GC	·c cca m	ርርሩ ጥልመ	CCA		AGC	TCC	ACC	ጥጥ	GAT	GCC	cTC	TCT
N S V T A	P S		A	Q P	s	s	T	F	D	A	L	S
481/161	, 5	•	••	511/171	_	_	_					
CCA TCC CCT GCC AT	T CCc TCC	aac' aca	GAT		GGC	CCA	CAC	AGC	TTC	GAT	GTG	TCC
P S P A I	P S	N T	D	ΥP	G	P	H	S	F	D	V	S
541/181				571/191								
TTC CAG CAG TCA AC	C ACT GCC	AAG TCA	GCC									
F Q Q S S	T A	K S	A		\mathbf{T}	Y	S	T	E	L	K	K
601/201				631/211								
CTG TAC TGC CAG AT												
	A K	т с	Р		1	K	V	М	T	P	P	P
661/221 CAG GGC GCT GTT AT	00 000 000	> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		691/231	אאא	CCT	C »C	ርልጥ	CTY.	ACC.	CAG	ርጥጥ
Q G A V I	R A					A			v	T	E	V
721/241	K K	rı r	٧	751/251	••	••	_	••	•	-		
OTG AAA CGA TGC CO	T AAC CAT	GAG CTG	AGC		TTC	AAT	GAG	GGA	CAG	ATT	GCC	CCT
VKRCP		E L		R E	F	N	E		Q	I		P
781/261				811/271					-			
CCC AGT CAT CTG AT	T CGA GTA	GAA GGG	AAC	AGC CAT	GCC	CAG	TAT	CTA	GAA	GAT	CCT	
P S H L I	R V	E G	N	S H	A	Q	Y	V	E	D	P	I
841/281				871/291					٠	~~~		
ACG GGA AGG CAG AG												
T G R Q S	νr	V P			P	Q	V	G	T	E	F	T
ACA GTC CTG TAC A	m mmc amc	mcm		931/311		CCN	CCA	እጥን	220) C)	CCT	CCA
T V L Y N	F M		S	S C					N	R	R	p
961/321	1 11	C .,	3	991/331	•	•	•		••	••	- `	•
ATT TTA ATC ATC G	T ACT CTG	GAA ACC	AGA		САА	GTC	CTG	GGC	CGA	CGG	TGC	TTT
ILIIV	T L	E T		D G				G			С	
1021/341				1051/35	1							
GAG GCC CGG ATC TY												
	A C	P G	R	D P.		Α	D	E	D	S	I	R
1081/361				1111/37							_	_
AAG CAG CAA GTA TO												
K Q Q V S 1141/381	D S	A K	И	G D		F	R	Q	N	T	H	G
	יי איני איני	יא ממני		1171/39		Cam.	CXC	CIEC	(H)	መእጣ	C.D.r.	CCN
ATC CAG ATG ACT TO	IC ATC AAG		AGA R	TCC CCA		GAT D		L			L L	P CCA
- K 11 7	T V	K R	1	3 F	D	ע		1	D	•	ע	-



Figure 17 Cont.

120	1/40	1								1233	1/413	l									
OTG	AGA				ACG	TAC	GAG	ATG	TTG	CTG	AAG	λΤС	AAA	GAG	TCA	CTG	GAG	CTC	ЭTA		
V	R	G	R	E	${f T}$	Y	E	M	L	L	K	I	K	E	S	L	Ε	L	M		
1261/421											1/43	l									
CAG	TAC	CTC	CCT	CAG	CAC	ACG	ATC	GAA	ACG	TAC	AGG	CAG	CAG	CAG	CAG	CAG	CAG	CAC	CAG		
Q	Y	L	P	Q	H	T	I	E	Т	Y	R	0	0	0	0	0	0	H	0		
1321/441											1351/451										
CAC	CTA	CTT	CAG	AAA	CAT	CTC	CTT	TCA	GCC	TGC	TTC	AGG	TAA	GAG	CTT	OTG.	GAG	CCC	ccc		
H	L	L	Q	K	H	L	L	S	A		F	R	N	E	L	ν	E	P	R		
138	1/46	1									L/471	1		_	_	•	_	•	•		
GGA	GAA	GCT	ccc	ACA	CAG	TCT	GAC	GTC	TTC				ፕ୯୯	AAC	CCC	477	3 8 0	CAC	ጥርር		
G	E	Α	P	T	0	s	D	v	F	F	R	H	S	N	P	P	N	H	S		
1441	1/48	1			~	_	_	•	•	•	• • • • • • • • • • • • • • • • • • • •	11	2	14	F	E	14	Ω	5		
	TAC	_	TAG																		
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1/1										31/1	1								
ATG '	באדינו	ጥእር	CTC	a d	አአር	тка	GCC	CAG	ACT			AGT	GAG	CCA	CAG	TAC	ACG	AAC	CTG
							A		T	Q	p	S	E	P	0	Y	Т	N	L
M	_	Y	L	E	14	14	А	V	•	91/3		_	~	•	*				
61/2	1			~				~ ~				ccc	mcc	WC.C	ጥርር	200	200	CCC	ጥልሮ
GGG									ATT	CAG	MAL	~	200	100	S	T	s	P	Y
_		L	N	S	М	D	Q	Q	I	_		G	S	2		1	3	•	•
121/	41									151/									maa
AZC .	ACA	GAC	CAC	GCA	CAG	AAT	AGC	GTG	ACG	GCG	CCC	TCG	ccc	TAT	GCA	CAG	CCC	ALC	TCC
N '	T	D	H	λ	Q	N	S	V	T	A	P	S	P	Y	A	Q	P	S	S
181/	61									211/									
ACC '	TTT	GAT	GCC	CTC	TCT	CCA	TCC	CCT	GCC	TTA	CCC	TCC	AAC	ACA	GAT	TAC	CCG	GGC	CCA
				L	S	P	S		A	I	P	S	N	T	D	Y	Þ	G	P
241/	81									271/									
CAC .	AGC	TTC	GAT	GTG	TCC	TTC	CAG	CAG	TCA	AGC	ACT	GCC	AAG	TCA	GCC	ACC	TGG	ACG	TAT
	s				s				s	S	T	Α	K	S	Α	T	W	T	Y
301/	_	-	_		-		-	_		331/	111								
TCC	ACC	GAA	CTG	λAC	AAG	CTG	TAC	TGC	CAG	ATT	GCG	AAG	ACA	TGC	CCC	ATC	CAG	ATC	AAG
				K			Ϋ́	c		I			T	c	P	I	Q	I	K
361/	_	~	~			~	•	-	ĸ	391/									
GIG .	300	»	CCN	ccc	CCN	CNC	ccc	CCM	CTL			GCC	AMG	ССТ	GTC	TAC	AAG	AAA	CCT
									v	I		A	M		v	Y	K	K	A
	_	T	P	P	Þ	Q	G	A	٧	451/		Λ	1.1	•	•	•	••	••	
421/	141											~~~	CNC	~**	3.00	CCT	G)C	ም	יחממ
GAG														,	W.	R	E	F	N
_		٧	T	E	v	V	K	R	С	P		P.	E	L	S	А	L	E	14
481/										511/							~~~		a.
GAG	GGA	CAG	ATT	GCC	CCT	CCC	AGT	CAT	CTG										
E	G	Q	I	A	P	P	S	н	L			V	E	G	N	S	H	A	Q
541/	181									571/									
TAT	OTA	GAA	GAT	CCT	ATC	ACG	GGA	AGG	CAG	AGC	GTG	CTG	GIC	CCT	TAT	GAG	CCA	CCA	CaG
Y	V	E	D	P	I	T	G	R	Q	S	ν	L	V	P	Y	E	P	P	Q
601/	201									631									
GTT	GGC	ACT	GAA	TTC	ACA	ACA	GTC	CTG	TAC	аАТ	TTC	ATG	TGT	AAC	AGC	AGC	TGC	GTC	GGA
ν				F	T				Y	N			С	N	S	S	С	ν	G
661/										691	/231								
GGA		AAC	AGA	ርፈጥ	CCA	ATT	ጥጥል	ATC	ATC			CTG	GAA	ACC	AGA	GAT	GGG	CAA	gTC
G				R	P	I	L	I	I	v	T	L	E	Т	R	D	G		v
721/		11	• •	**	•	-		-	-	751	-	_	~	-	•	_	-	~	
CTG		CCA	cos	W.C	ملعكمل	CAC	ccc	ccc	יציע			TYC	CCA	GGA	AGA	GAC	CGG	AAG	GCA
	G	R	R		F	E	A	R	I				P		R	D	R	K	A
781/		Α.	Λ	_	E	ב	^	K	_	811		•	•	•	••	_	••		
GAT		CNC	3.00	» TV	NC3	220	Ch C	03 B	CTIA			100	CCN	3 3 (2	330	ccc	GAT	COT	እርር
															N	G	D	G	T
	E	n	S.	1	R	K	Q	Q	V			S	А	K	14	G	ט	•	•
841/					~				>	871				mea.	1	330	222		DC D
AAG																			
	R	₽	F	R	Q	N	T	H	G	I	-	M	T	S	I	x	K	R	R
901/	-										/311								
TCC	CCA	GAT	GAT	GAG	CIG	CTG													
S									~		77	G	מ	E	T	Y		M	L
961/	P		D	E	L	L	Y	L	2			-	41	~	-	*	E	7.7	
~~~	Р 321									991,	/331			_					
CIG	Р 321	ATC	AAA	GAG	TCA	CTG	GAG	CTC	ATG	991. CAG	/331 TAC	CTC	CCT	CAG	CAC	ACG	ATC	GAA	
r Cig	P 321 AAG	ATC	AAA	GAG	TCA	CTG	GAG	CTC	ATG	991. CAG	/331 TAC	CTC	CCT	CAG	CAC	ACG	ATC		
	P 321 AAG K	ATC I	AAA	GAG	TCA		GAG	CTC	ATG	991. CAG Q	/331 TAC	CIC	CCT	CAG	CAC	ACG	ATC	GAA	
L 1021	P 321 AAG K 1/34	ATC I	AAA K	GAG E	TCA S	CTG L	GAG E	CTC L	atg M	991. CAG Q 105:	/331 TAC Y 1/35:	CTC L 1	CCT P	CAG Q	CAC H	ACG T	ATC I	GAA E	T
L 1021 TAC	P 321 AAG K L/34: AGG	ATC I L CAG	AAA K CAG	GAG E CAG	TCA S CAG	CTG L CAG	GAG E CAG	CTC L CAC	ATG M CAG	991, CAG Q 105: CAC	/331 TAC Y 1/35: CTA	CTC L L CTT	CCT P CAG	CAG Q AAA	CAC H CAG	ACG T	ATC I	GAA E ATG	T
L 1021	P 321 AAG K 1/34: AGG R	ATC I L CAG Q	AAA K CAG	GAG E CAG	TCA S CAG	CTG L	GAG E CAG	CTC L CAC	ATG M CAG	991, CAG Q 105: CAC H	/331 TAC Y 1/35: CTA L	CTC L L CTT L	CCT P	CAG Q AAA	CAC H CAG	ACG T	ATC I TCG	GAA E ATG	T CAG
L 1021 TAC Y 1081	P 321 AAG K L/34: AGG R L/36	ATC I L CAG Q I	AAA K CAG Q	GAG E CAG Q	TCA S CAG Q	CTG L CAG Q	GAG E CAG Q	CTC L CAC H	ATG M CAG Q	991. CAG Q 105: CAC H 111:	/331 TAC Y 1/35: CTA L	CTC L I CTT L	CCT P CAG Q	CAG Q AAA K	CAC H CAG Q	ACG T ACC T	ATC I TCG S	GAA E ATG M	T CAG Q
L 1021 TAC Y 1081 TCT	P 321 AAG K 1/34: AGG R L/36 CAG	ATC I L CAG Q L TCT	AAA K CAG Q TCA	GAG E CAG Q TAT	TCA S CAG Q	CTG L CAG Q AAC	GAG E CAG Q AGT	CTC L CAC H	ATG M CAG Q CCA	991. CAG Q 105: CAC H 111: CCT	/331 TAC Y 1/35: CTA L 1/37: CTG	CTC L L CTT L L	CCT P CAG Q	CAG Q AAA K	CAC H CAG Q AAC	ACG T ACC T	ATC I TCG S ATG	GAA E ATG M	T CAG Q AAG
L 1021 TAC Y 1081 TCT S	P 321 AAG K 1/34 AGG R L/36 CAG	ATC I CAG Q I TCT S	AAA K CAG Q TCA	GAG E CAG Q TAT	TCA S CAG Q	CTG L CAG Q AAC	GAG E CAG Q	CTC L CAC H	ATG M CAG Q CCA	991. CAG Q 105: CAC H 111: CCT P	/331 TAC Y 1/35: CTA L 1/37: CTG	CTC L CTT L L AAC	CCT P CAG Q	CAG Q AAA K	CAC H CAG Q AAC	ACG T ACC T	ATC I TCG S	GAA E ATG M	T CAG Q
L 1021 TAC Y 1081 TCT S 1141	P 321 AAG K 1/34 AGG R 1/36 CAG Q 1/38	ATC I L CAG Q I TCT S	AAA K CAG Q TCA S	GAG E CAG Q TAT	TCA S CAG Q GGC G	CTG L CAG Q AAC N	GAG E CAG Q AGT S	CTC L CAC H TCC S	ATG M CAG Q CCA P	991. CAG Q 105: CAC H 111: CCT P 117:	/331 TAC Y 1/35: CTA L 1/37: CTG L	CTC L 1 CTT L L AAC N	CCT P CAG Q AAA	CAG Q AAA K ATG M	CAC H CAG Q AAC N	ACG T ACC T AGC S	ATC I TCG S ATG M	GAA E ATG M AAC N	T CAG Q AAG K
L 1021 TAC Y 1081 TCT S	7 321 AAG K L/34 AGG R L/36 CAG Q L/38 CCT	ATC I L CAG Q I TCT S	AAA K CAG Q TCA S	GAG E CAG Q TAT Y	TCA S CAG Q GGC G	CTG L CAG Q AAC N	GAG E CAG Q AGT S	CTC L CAC H TCC S	ATG M CAG Q CCA P	991, CAG Q 105: CAC H 111: CCT P 117: CAG	/331 TAC Y 1/35: CTA L 1/37: CTG L 1/39: CAG	CTC L L CTT L AAC N	CCT P CAG Q AAA K	CAG Q AAA K ATG M	CAC H CAG Q AAC N	ACG T ACC T AGC S	ATC I TCG S ATG M	GAA E ATG M AAC N	T CAG Q AAG K



#### Figure 18 Cont.

1201	/403	1								1232	1/411								
ATG	CCI	GAG	GGC	ATG	GGA	GCC	AAC	ATT	CCT	ATG	ATG	CCC	ACT	CAC	ATG	CCA	ATG	GCT	GGA
								I	p		M		T		M		M	A	G
1261	/42	1								129	1/431	L							
GAC	ATG	AAT	GGA	CTC	AGC	CCT	ACC	CAA	GCT	CTC	CCT	CCT	CCA	CTC	TCC	ATG	CCC	TCC	ACC
D	M	N	G	L	S	P	T	Q	Α	L	P	P	P	L	S	M	P	S	T
	1/44										1/453								
TCC	CAC	TGC	ACC	CCA	CCA	CCG	CCC	TAC	ccc	ACA	GAC	TGC	AGC	TTA	GTC	AGT	TTC	ATT	GCA
s	Н	С	T	P	P	P	P	Y	P	T	D	С	5	I	V	5	F	L	A
	1/45										1/47	-							
Agg	Ttg	ggC	TGC	TCA	TCA	TGC	CTG	GAC	TAT	TTC	ACG	ACC	CAg	ggg	CTG	AcC	ycc	ATC	TAT
R	L	G		s			L		Y		T				L	T	T	1	Y
	1/48										1/49:								
CAG	ATT	GAG	CAT	TAC	TCC	ATG	GAT	GAT	ΤτG	GÇa	agt	CTG	AAG	ATC	ccT	GAA	CAG	TTC	CGA
Q	I	E	R	Y	s	M	D	D	L	A	S	L	K	I	P	E	Q	F	R
	1/50										1/51	_							
CAT	GCC	ATC	TGG	AAg	GGC	aTC	CTG	GAC	CAC	AGG	cAG	CTG	CAC	GAC	TTC				
Н	Α	I	VI	K	G	I	L	D	H	R	_		H	D	F	S	S	P	P
	1/52										1/53								
CaT	CIC	CIG	AGG	ACC	CCA						GTC								
	L	_	R	T	P	S	G	Α	S	_	V	S	v	G	S	5	E	T	R
	1/54										1/553								
GGT	GAA	CCT	org	ATC	GAT	GCC	GTG				CIC								
G	E	R	V	I	D	A	V	P.	F	_	_		Q	T	I	S	F'	P	P
	1/56										1/571								
CGT											GAT								
R	D	E	W	N	D	F	N	F	D	M	D	s	R	R	N	K	Ç	Q	R
	1/58																		
aTC		_	-		GAA														
1	K	E	E	G	E	*													



1/1									31/3									
ATG TTG	TAC	CTG	дAA	AAC	АЛТ	GCC	CAG	ACT	CAA	TTT	AGT	GAG	CCA	CAG	TAC	ACG	AAC	CTG
	Y						Q	Т	Q	F	S	E	₽	Q	Y	T	N	L
61/21									91/3	31						٠	~~~	m> 0
GGG CTC	ÇTG	AAC			GAC	CAG			CAG		GGC	TCC	TCG	TCC	ACC	AGC	P	Y
•	L	И	S	M	D	Q	Q	I	~		G	S	S	s	T	S	P	1
121/41				~ . ~			cmc	3.00	151/		TICY2	ccc	тат	CCA	CAG	CCC	AGC	ጥርር
Aac Aca							V VIG	T	A	מש	S	p	Y	A	Q	P	S	S
N T 181/61	D	Н	A	Q	N	3	•	•	211/		_	•	•	••	~	•		
ACC TTT	ርእጥ	ccc	CTC	m~r	CCA	ww	CCT	GCC	ATT.	CCC	TCC	AAC	ACA	GAT	TAC	CCG	GGC	CCA
			L	S	p	s	P	A		P		N	T	D	Y	P	G	P
241/81		^	~	_	•	-	-	•-	271/		-							
CAC AGC	TTC	GAT	GTG	TCC	TTC	CAG	CAG	TCA	AGC	ACT	GCC	AAG	TCA	GCC	ACC	TGG	ACG	TAT
			Ÿ	S	F	Q		s	s	T	A	К	S	A	T	W	T	Y
301/101										/111								
TCC ACC	GAA	CTG	λλG	AAG	CTG	TAC	TGC					ACA	TGC	CCC	ATC	CAG	ATC	AAG
s T	E	L	K	K	L	Y	С	Q		A	K	T	С	P	I	Q	Ţ	K
361/121									391/	/131	~~~	».//~	~~	CTC	ma.c	N N C	222	con
OTA OTO									I	R	A	M	b CC1	V	Y	K	K	A
V M	T	P	Ь	P	Q	G	A	V		/151	A	r1	•	•	•		*	
421/141 GAG CAT	GTC	»CC	GNG	CTT	CTYS	מממ	CGA.	ጥርር			САТ	GAG	CTG	AGC	CGT	GAG	TTC	AAT
	v	T	E	v	v	K	R	C	P		Н	E	L	s	R	E	F	N
481/161	•	•	~	•	•			_		/171								
GAG GGA	CAG	ATT	GCC	CCT	CCC	AGT	CAT	CTG	ATT	CGA	GTA	gλλ	GGG	AAC	AGC	CNT	GCC	CAG
	Q	I	Α	P	P	S	H	L	I	R	V	E	G	N	S	H	A	Q
541/181										/191								
TAT GTA	GAA	GAT	CCT	ATC	ACG	GGA	AGG		AGC	GIG	CTG	GTC	CCT	TAT	GAG	CCY	CCY	CAG
	E	D	Р	I	${f T}$	G	R	Q		V	L	V	Р	Y	E	P	P	Q
601/201										/211		<b>~</b> ~~		300	300	mc c	orc.	CC3
GTT GGC										F			N	S	5	C	A	G
V G 661/221	T	E	F	T	T	V	L	Y	-	/231	r.	_	14	.5	3	_	•	G
GGA ATG	200	) C)	C~T1	CCA	ידייוי ע	ጥጥ	ልጥና	ΣΥΥΥ			CTG	CAA	ACC	AGA	GAT	GGG	CAA	αTC
G M		R		P	I	L	I	I	v	T	L	E	T	R	D	G		v
721/241	••	• •	•	•	-	-	-	•		/251	_	_					~	
CTG GGC	CGA	CGG	TGC	TTT	GAG	GCC	CGG	ATC	TOT	GCt	TGC	CCA	GGA	AGA	GAC	CGG	AAG	GCA
	R	R		F	E	Α	R	I	С		С	P		R	D	R	K	A
781/261										/271								
GAT GAA	GAC	AGC		AGA	AAG	CAG									_			
	D	s	I	R	K	Q	Q	V	S	D	S	A	K	Ń	G	D	G	T
841/281		~~~	^~~	~ ~ ~			~~~	001		/391	N/III	N CATI	maa	) TYC	220		~~	103
AAG CGC K R	P										M	T	S	I	X	K	R	ALA R
901/301	r	F	R	Q	N	T	H	G	I 931	/311	14	•	3	_	I.		K	K
TCC CCA	CAT	ChT	GNG	CTC	CTYG	TAC	СΤΆ	CCA			CCT	COT	GAG	ACG	TAC	GAG	ÀΤG	TTG
S P		D	E	L L				P					E			E		L
961/321	_	_	_	2	~	•	_	•		/331	•	••	_	_	-	_		_
CTG AAG	ATC	AAA	GAG	TCA	CTG	GAG	CIC	ATG			CTC	CCT	CAG	CAC	ACG	ATC	GAA	ACG
L K					L							P						T
1021/341										1/35								
TAC AGG	CVC																	
YR		Q	Q	Q	Q	Q	H	Q			-	Q	K	Q	T	s	M	Q
1081/361										1/37						<b>.</b>		
TCT CAG																		
S Q 1141/38	5	۵	Y	G	N	S	S	ħ				,K.	W	N	S	M	И	V
CIG CCT		Circ	እሶጥ	CNC	Centre	3000	220	cor		1/39		እአመ	ccc	~~	سب لا	000	300	200
L P	S	V.	S		L L	I		P		Q		N		L L	T	P	ACC T	ALC T
	~	•	٠	×	Ü		44	E	¥	X	Λ.	F.4	n	u	•	4	-	4



#### Figure 19 Cont.

120	1/40	l							1231/411										
ATG	$\operatorname{CCT}$	GAG	GGC	ATG	GGA	CCC	AAC	ATT	CCT	ATG	ATG	CGC	ACT	CAC	ATG	CCA	ATG	GCT	GGA
M	P	E	G	М	G	Α	N	I	P	M	M	G	T	H	М	P	М	A	G
126		1291	L/43]	Ĺ															
GAC	ATG	AAT	GGA	CTC	AGC	CCT	ACC	CAA	$\mathtt{GCT}$	CTC	CCT	CCT	CCA	CIC	TCC	ATG	CCC	TCC	ACC
D	M	N	G	L	S	P	T	Q	Α	L	P	P	P	L	S	M	P	S	T
132	1/44	1			1351/451														
TCC	CAC	TGC	ACC	CCA	CCA	CCG	CCC	$T\lambda C$	CCC	ACA	GAC	$\mathcal{T}GC$			GLC	AGG	TTA	tGG	Caa
\$	Н	С	T	P	P	P	P	Υ	P	${f T}$	D	C :	S	I	V	R	I	W	Q
138	1/46	1																	
CIC	TGA																		



```
31/11
ATG TIG TAC CTG GAA AAC AAT GCC CAG ACT CAA TTT AGT GAG CCA CAG TAC ACG AAC CTG
MLYLENNAQTQFSEPQYTN
                             91/31
GGG CTC CTG AAC AGC ATG GAC CAG CAG ATT CAG AAC GGC TCC TCG TCC ACC AGC CCC TAC
G L L N S M D Q Q I Q N G S S S T
                             151/51
121/41
AAC ACA GAC CAC GCA CAG AAT AGC GTG ACG GCG CCC TCG CCC TAT GCA CAG CCC AGC TCC
NTDHAQNSVTAPSPYAQPS
                             211/71
181/61
ACC TIT GAT GCC CTC TCT CCA TCC CCT GCC ATT CCC TCC AAC ACA GAT TAC CCG GGC CCA
T F D A L S P S P A I P S N T D Y P G P
                             271/91
241/81
CAC AGC TTC GAT GTG TCC TTC CAG CAG TCA AGC ACT GCC AAG TCA GCC ACC TGG ACG TAT
H S F D V S F Q Q S S T A K S A T W
                             331/111
TCC ACC GAA CTG AAG AAG CTG TAC TGC CAG ATT GCG AAG ACA TGC CCC ATC CAG ATC AAG
STELKKLYCQIAKTCPIQ
                             391/131
361/121
GTG ATG ACC CCA CCC CCA CAG GGC GCT GTT ATC CGT GCC ATG CCT GTC TAC AAG AAA GCT
V M T P P P Q G A V I R A M P V Y K K A
                             451/151
CAG CAT GTC ACC GAG GTT GTG AAA CGA tGC CCT AAC CAT GAG CTG AGC CGT GAG TTC AAT
EHVTEVVKRCPNHELSREFN
481/161
                             511/171
CAG GGA CAG ATT GCC CCT CCC AGT CAT CTG ATT CGA GTA GAA GGG AAC AGC CAT GCC CAG
E G Q I A P P S H L I R V E G N S H A Q
                             571/191
TAT GTA GAA GAT CCT ATC ACG GGA AGG CAG AGC GTG CTG GTC CCT LAT GAG CCA CCA CAG
Y V E D P I T G R Q S V L V P Y E P P
                             631/211
601/201
GTT GGC ACT GAA TTC ACA ACA GTC CTG TAC AAT TTC ATG TGT AAC AGC AGC TGC GTC GGA
V G T E F T T V L Y N F M C N S
                             691/231
661/221
GGA ATG AAC AGA CGT CCA ATT TTA ATC ATC GTT ACT CTG GAA ACC AGA GAT GGG CAA GTC
G M N R R P I L I I V T L E T R D G Q V
                             751/251
CTG 9GC CGA CGG TGC TTT GAG GCC CGG ATC TGT GCT TGC CCA GGA AGA GAC CGG AAG GCA
                                        GRDRKA
LGRRCFEARICACP
                             811/271
781/261
GAT GAA GAC AGC ATC AGA AAG CAG CAA GTA TCG GAC AGC GCA AAG AAC GGC GAT GCT TTC
D E D S I R K Q Q V S D S A K N G D A F
                             871/291
841/281
COT CAG AAT ACA CAC OGA ATC CAG ATG ACT TCC ATC AAG AAA CGG AGA TCC CCA GAT GAT
   Q N T H G I Q M T S I K K R R S P D D
                             931/311
901/301
GAG CTG CTG TAC CTA CCA GTG AGA GGT CGT GAG ACG TAC GAG ATG TTG CTG AAG ATC AAA
E L L Y L P .V R G R E T Y E M L L K I K
                              991/331
961/321
GAG TCA CTG GAG CTC ATG CAG TAC CTC CCT CAG CAC ACG ATC GAA ACG TAC AGG CAG CAG
                                     IETYRQQ
ESLELMQYLP
                              Q H T
                              1051/351
1021/341
CAG CAG CAG CAC CAG CAC CTA CTT CAG AAA CAT CTC CTT TCA GCC TGC TTC AGG AAT
QQQQHQHLLQKHLLSACFRN
1081/361
                              1111/371
GAG CTT GTG GAG CCC CGG GGA GAA GCT CCG ACA CAG TCT GAC GTC TTC TTT AGA CAT TCC
ELVEPRGEAPTQSDVFFRHS
1141/381
AAC CCC CCA AAC CAC TCC GTG TAC CCA TAG
N P P N H S V Y P *
```



Figure 21

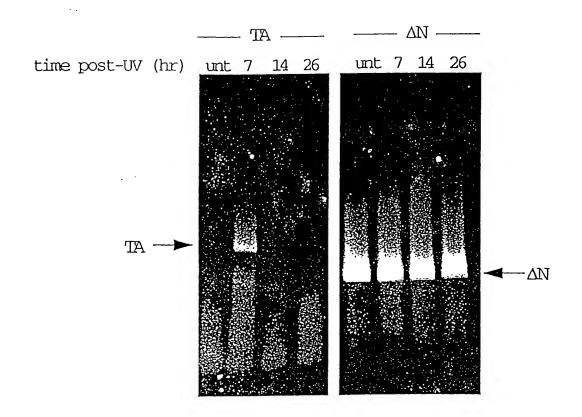


Figure 22

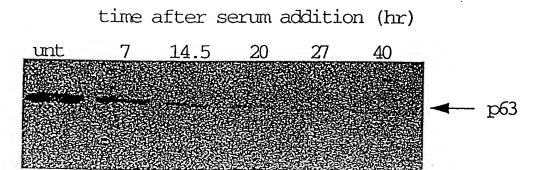




Figure 23

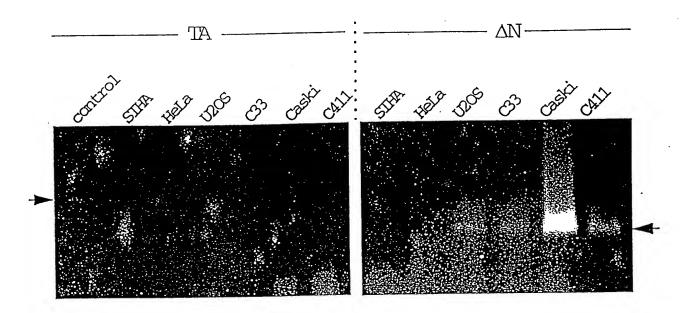




Figure 24

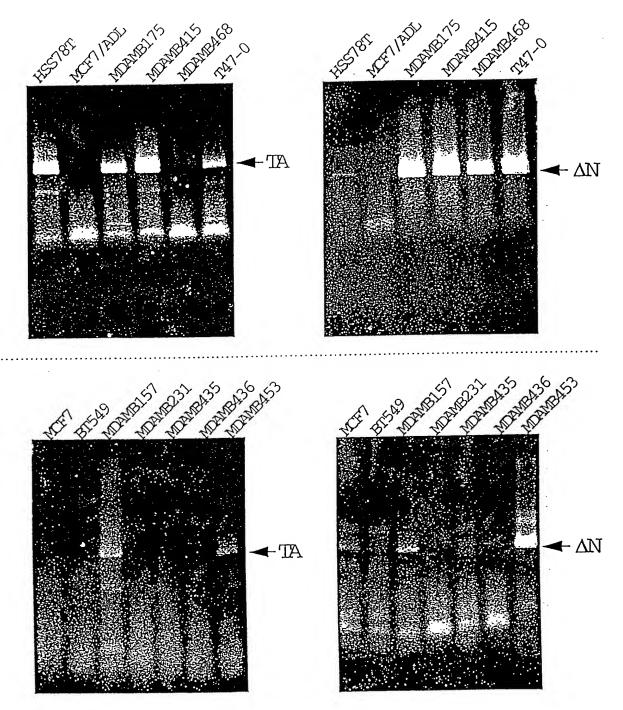




Figure 25

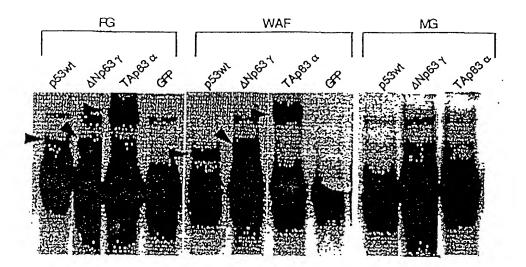
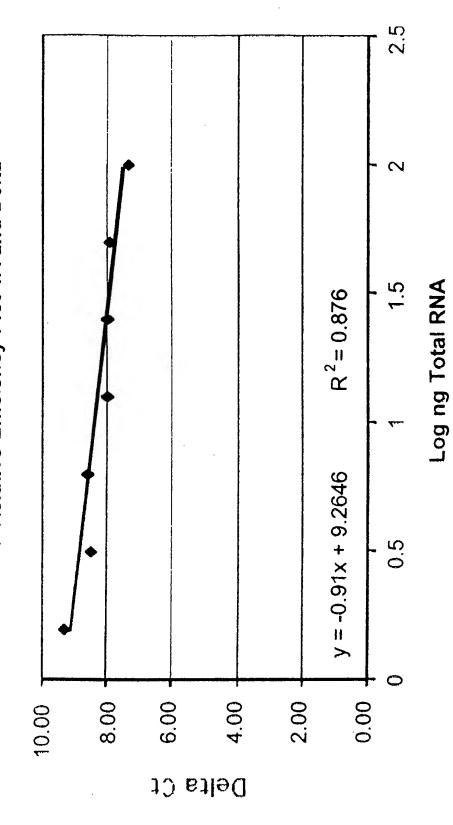




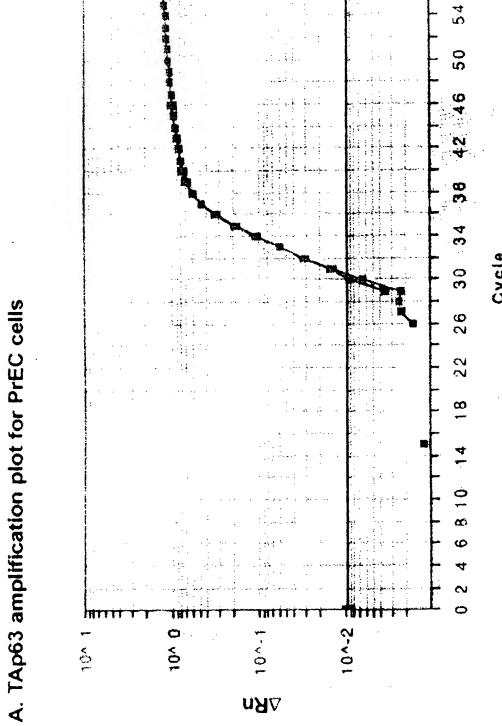
Figure 26



. Relative Efficiency Plot TA and Delta

Figure 27A

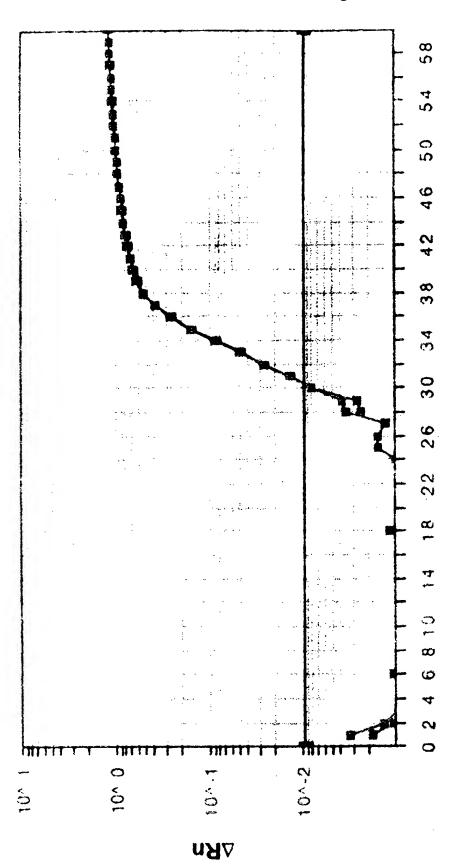
58





B. TAp63 amplification plot for PC3 cells

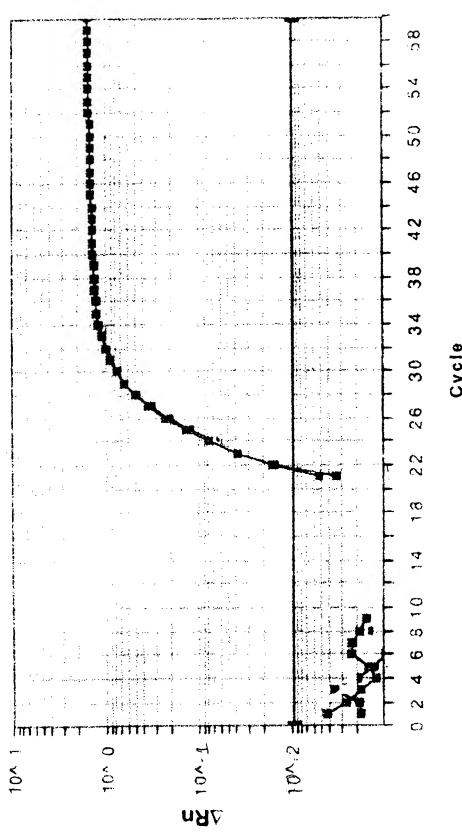
Figure 27B





C. ANp63 amplification plot for PrEC cells

Figure 27C



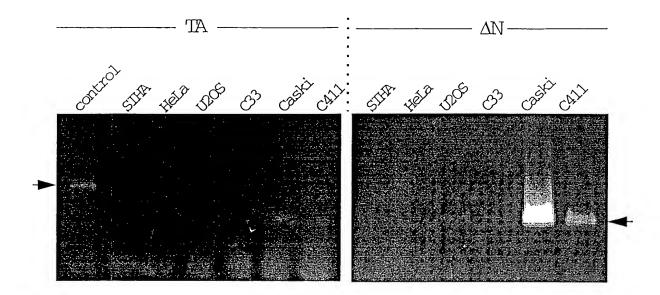
54 50 46 38 34 D. ANp63 amplification plot for PC3 cells 26 22 0 œ Φ 10^0 10, u**y**⊽

Figure 27D

**58** 

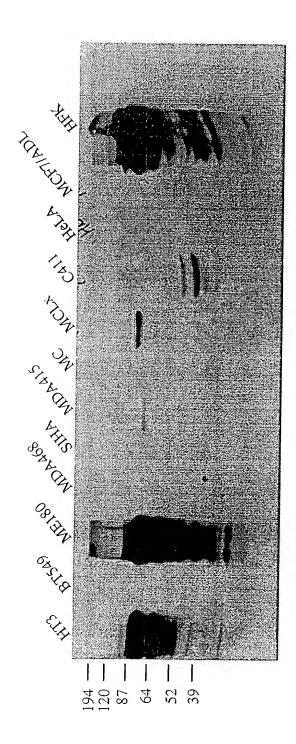


Figure 28





# 4A4 anti-p63



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